

INDEXES TO VOLUME 5

Author Index

Abel LA, 449
 Aberfeld DC, 210
 Acker JD, 585
 Ackerman RH, 152
 Adair LB, 152
 Aitchison CS, 558
 Ajax ET, 72
 Allen RJ, 475
 Anderson RE, 575
 Angel RW, 594
 Antel JP, 338
 Antunes JL, 462
 Armitage P, 601
 Arnason BGW, 338
 Asbury AK, 239, 245
 Asher DM, 177
 Atkins PC, 158
 Banik NL, 539
 Barilla DE, 374
 Baringer JR, 485
 Barnett HJM, 599
 Becker DM, 595
 Beekman JF, 96
 Bell RD, 374
 Beresford HR, 490
 Berg L, 396
 Bernoulli C, 177
 Bertoni JM, 475
 Bilaniuk LT, 158
 Birch J, 253
 Black IB, 498
 Blank NK, 220
 Blaw ME, 105
 Blennow G, 139
 Bodis-Wollner I, 40
 Boehnke M, 48
 Borkowski M, 508
 Bornstein JC, 94
 Braham J, 207
 Branch CE, 302
 Brenner RP, 403
 Brierley JB, 59, 127
 Brown AW, 127
 Brown MJ, 239, 245
 Brown P, 189
 Budd WW, 350
 Burchfiel JL, 309
 Burk PG, 262
 Burke D, 523
 Cacace AT, 445
 Caine ED, 305
 Camp WA, 493
 Cant BR, 379
 Caplan L, 458
 Carlow TJ, 403
 Carmel PW, 462
 Carter W Jr, 228
 Cathala F, 189
 Chang M, 422
 Cho AK, 121
 Cho E-S, 271
 Connell F, 22
 Cook EE, 48
 Cook RH, 105
 Costello ML, 550
 Crosby TW, 301
 Crosley CJ, 596
 Cummins LB, 89
 Daroff RB, 449
 Davis KR, 102
 Davis LE, 2
 Delaney JF, 580
 Dell'Osso LF, 449
 DePaulo JR, 500
 Desmedt JE, 415
 Diamond I, 94, 201
 DiMauro S, 422
 Dinsdale HB, 209
 Drayer BP, 48
 Dresler S, 196
 Duchowny M, 458
 Duffy FH, 309
 Dujovny M, 48
 Dupont B, 391
 Dyken PR, 302
 Eastwood AB, 422
 Ebert MH, 305
 Elmore RS, 327
 Ellinger G, 485
 Elveback LR, 367
 Eviatar A, 508
 Eviatar L, 508
 Feder R, 493
 Ferguson TB, 396
 Ferin M, 462
 Feringa ER, 203
 Ferrendelli JA, 533
 Fetell M, 111, 422
 Fieschi C, 211
 Fisher CM, 152
 Fishman RA, 496, 592
 Folbergrová J, 139
 Folsenstein MF, 500
 Franco R, 422
 Frangia J, 558
 Frank RA, 396
 Freeman K, 508
 French JH, 359, 542
 Friel PN, 470
 Frye RA, 203
 Furlan AJ, 367
 Furukawa T, 193
 Gado MH, 32
 Gajdusek C, 177
 Gal J, 121
 Gann KL, 402
 Garcia-Buñuel L, 106
 Gent M, 599
 Gersten JC, 385
 Geschwind N, 495
 Gibbs CJ Jr, 177
 Gibbs JC Jr, 402
 Gilden DH, 89
 Ginsberg MD, 350
 Godaux E, 415
 Gold EB, 565, 569
 Goldberg AM, 558
 Goldberg MA, 121
 Gonzales-Scarano F, 158
 Good RA, 391
 Gordis L, 565, 569
 Gordon AS, 201
 Graham DI, 350
 Greenberg J, 307
 Griffith RL III, 228
 Grover WD, 65
 Guggenheim MA, 104
 Hamilton RH, 437
 Hanson PA, 445
 Harris JO, 177
 Harrow J, 127
 Hartwig GB, 422
 Harvey DG, 196, 396
 Hatten HP, 102
 Hays A, 111, 415
 Heilman KM, 166
 Hendley CD, 40
 Hendrickx GFM, 393
 Henkin RI, 65
 Hershey LA, 32
 Hinton RC, 152
 Hirano A, 359, 542
 Hoffman S, 89
 Hogan EL, 539
 Hume AL, 379
 Hyllested K, 6
 Hyman RA, 490
 Ionasescu R, 107
 Ionasescu V, 107
 Iwamori M, 239, 245
 Iwasaki Y, 89
 Iwata M, 359, 542
 Jenden DJ, 121
 Jennekens GI, 393
 Jervis GA, 288
 Johnson PC, 437
 Johnson RT, 2
 Johnson WC, 65
 Kalter SS, 89
 Kamakura K, 193
 Karchmer AW, 322
 Karle P, 595
 Killian JM, 515
 Kinscherf DA, 533
 Kirkpatrick JB, 171
 Kishimoto Y, 239, 245
 Kloepfer HW, 515
 Koga M, 581
 Kondo K, 495
 Koprowski H, 89
 Kostenbauder HB, 268
 Kowalski TF, 203
 Kuba T, 327
 Kublik M, 127
 Kun LE, 106
 Kuroiwa Y, 581
 Kurtzke JF, 6, 597
 Laguna JF, 437
 Lampert PW, 550
 Lance JW, 523
 Larsen B, 79
 Lastimosa ACB, 171
 Layzer RB, 220
 Leal KW, 470
 Levisohn PM, 196
 Levy DE, 59, 127
 Lief FS, 89
 Lisak RP, 158
 Lodish JR, 389
 Lombroso CT, 309
 Lorenstein B, 99
 Mannen T, 193
 Mark LE, 199
 Maroon JC, 199
 Masters CL, 177
 Matsuo F, 72
 Mauldin LB, 539
 McCarthy JA, 499
 Meadows JC, 253
 Medoff ME, 338
 Melamed E, 79
 Melgaard B, 118
 Merikangas JR, 401
 Michenfelder JD, 343, 575
 Mikkelson EJ, 305
 Milde JH, 343
 Milfay D, 201
 Miller JD, 228
 Miller RG, 220
 Miller TC, 301
 Miranda S, 508
 Mizrahi EM, 594
 Mohr JP, 152
 Moore CL, 501
 Morawetz R, 585
 Moretz RC, 288
 Moser HW, 239, 245
 Moylan JJ, 499
 Myers JC, 402
 Myers RR, 550
 Mylin LH, 40
 Nanko S, 193
 Nathanson G, 262
 Neophytides AN, 389
 Nilsson B, 139
 Nutt JG, 389

January issue, pp 1-106; February issue, pp 107-210; March issue, pp 211-308; April issue, pp 309-404; May issue, pp 405-500; June issue, pp 501-603.

INDEXES TO VOLUME 5

Author Index

Abel LA, 449
 Aberfeld DC, 210
 Acker JD, 585
 Ackerman RH, 152
 Adair LB, 152
 Aitchison CS, 558
 Ajax ET, 72
 Allen RJ, 475
 Anderson RE, 575
 Angel RW, 594
 Antel JP, 338
 Antunes JL, 462
 Armitage P, 601
 Arnason BGW, 338
 Asbury AK, 239, 245
 Asher DM, 177
 Atkins PC, 158
 Banik NL, 539
 Barilla DE, 374
 Baringer JR, 485
 Barnett HJM, 599
 Becker DM, 595
 Beekman JF, 96
 Bell RD, 374
 Beresford HR, 490
 Berg L, 396
 Bernoulli C, 177
 Bertoni JM, 475
 Bilaniuk LT, 158
 Birch J, 253
 Black IB, 498
 Blank NK, 220
 Blaw ME, 105
 Blennow G, 139
 Bodis-Wollner I, 40
 Boehnke M, 48
 Borkowski M, 508
 Bornstein JC, 94
 Braham J, 207
 Branch CE, 302
 Brenner RP, 403
 Brierley JB, 59, 127
 Brown AW, 127
 Brown MJ, 239, 245
 Brown P, 189
 Budd WW, 350
 Burchfiel JL, 309
 Burk PG, 262
 Burke D, 523
 Cacace AT, 445
 Caine ED, 305
 Camp WA, 493
 Cant BR, 379
 Caplan L, 458
 Carlow TJ, 403
 Carmel PW, 462
 Carter W Jr, 228
 Cathala F, 189
 Chang M, 422
 Cho AK, 121
 Cho E-S, 271
 Connell F, 22
 Cook EE, 48
 Cook RH, 105
 Costello ML, 550
 Crosby TW, 301
 Crosley CJ, 596
 Cummins LB, 89
 Daroff RB, 449
 Davis KR, 102
 Davis LE, 2
 Delaney JF, 580
 Dell'Osso LF, 449
 DePaulo JR, 500
 Desmedt JE, 415
 Diamond I, 94, 201
 DiMauro S, 422
 Dinsdale HB, 209
 Drayer BP, 48
 Dresler S, 196
 Duchowny M, 458
 Duffy FH, 309
 Dujovny M, 48
 Dupont B, 391
 Dyken PR, 302
 Eastwood AB, 422
 Ebert MH, 305
 Elmore RS, 327
 Ellinger G, 485
 Elveback LR, 367
 Eviatar A, 508
 Eviatar L, 508
 Feder R, 493
 Ferguson TB, 396
 Ferin M, 462
 Feringa ER, 203
 Ferrendelli JA, 533
 Fetell M, 111, 422
 Fieschi C, 211
 Fisher CM, 152
 Fishman RA, 496, 592
 Folbergrová J, 139
 Folsenstein MF, 500
 Franco R, 422
 Frangia J, 558
 Frank RA, 396
 Freeman K, 508
 French JH, 359, 542
 Friel PN, 470
 Frye RA, 203
 Furlan AJ, 367
 Furukawa T, 193
 Gado MH, 32
 Gajdusek C, 177
 Gal J, 121
 Gann KL, 402
 Garcia-Buñuel L, 106
 Gent M, 599
 Gersten JC, 385
 Geschwind N, 495
 Gibbs CJ Jr, 177
 Gibbs JC Jr, 402
 Gilden DH, 89
 Ginsberg MD, 350
 Godaux E, 415
 Gold EB, 565, 569
 Goldberg AM, 558
 Goldberg MA, 121
 Gonzales-Scarano F, 158
 Good RA, 391
 Gordis L, 565, 569
 Gordon AS, 201
 Graham DI, 350
 Greenberg J, 307
 Griffith RL III, 228
 Grover WD, 65
 Guggenheim MA, 104
 Hamilton RH, 437
 Hanson PA, 445
 Harris JO, 177
 Harrow J, 127
 Hartwig GB, 422
 Harvey DG, 196, 396
 Hatten HP, 102
 Hays A, 111, 415
 Heilman KM, 166
 Hendley CD, 40
 Hendrickx GFM, 393
 Henkin RI, 65
 Hershey LA, 32
 Hinton RC, 152
 Hirano A, 359, 542
 Hoffman S, 89
 Hogan EL, 539
 Hume AL, 379
 Hyllested K, 6
 Hyman RA, 490
 Ionasescu R, 107
 Ionasescu V, 107
 Iwamori M, 239, 245
 Iwasaki Y, 89
 Iwata M, 359, 542
 Jenden DJ, 121
 Jennekens GI, 393
 Jervis GA, 288
 Johnson PC, 437
 Johnson RT, 2
 Johnson WC, 65
 Kalter SS, 89
 Kamakura K, 193
 Karchmer AW, 322
 Karle P, 595
 Killian JM, 515
 Kinscherf DA, 533
 Kirkpatrick JB, 171
 Kishimoto Y, 239, 245
 Kloepfer HW, 515
 Koga M, 581
 Kondo K, 495
 Koprowski H, 89
 Kostenbauder HB, 268
 Kowalski TF, 203
 Kuba T, 327
 Kublik M, 127
 Kun LE, 106
 Kuroiwa Y, 581
 Kurtzke JF, 6, 597
 Laguna JF, 437
 Lampert PW, 550
 Lance JW, 523
 Larsen B, 79
 Lastimosa ACB, 171
 Layzer RB, 220
 Leal KW, 470
 Levisohn PM, 196
 Levy DE, 59, 127
 Lief FS, 89
 Lisak RP, 158
 Lodish JR, 389
 Lombroso CT, 309
 Lorenstein B, 99
 Mannen T, 193
 Mark LE, 199
 Maroon JC, 199
 Masters CL, 177
 Matsuo F, 72
 Mauldin LB, 539
 McCarthy JA, 499
 Meadows JC, 253
 Medoff ME, 338
 Melamed E, 79
 Melgaard B, 118
 Merikangas JR, 401
 Michenfelder JD, 343, 575
 Mikkelson EJ, 305
 Milde JH, 343
 Milfay D, 201
 Miller JD, 228
 Miller RG, 220
 Miller TC, 301
 Miranda S, 508
 Mizrahi EM, 594
 Mohr JP, 152
 Moore CL, 501
 Morawetz R, 585
 Moretz RC, 288
 Moser HW, 239, 245
 Moylan JJ, 499
 Myers JC, 402
 Myers RR, 550
 Mylin LH, 40
 Nanko S, 193
 Nathanson G, 262
 Neophytides AN, 389
 Nilsson B, 139
 Nutt JG, 389

January issue, pp 1-106; February issue, pp 107-210; March issue, pp 211-308; April issue, pp 309-404; May issue, pp 405-500; June issue, pp 501-603.

Oh SJ, 327
 Ghia M, 581
 Olarte MR, 111, 385, 422
 Oppenheimer DR, 497
 Ostroff SM, 239
 Pak CYC, 374
 Pappius HM, 211
 Parks JK, 596
 Paulson GW, 96
 Payne H, 105
 Pearlman AL, 253
 Petito CK, 498
 Pettegrew JW, 105
 Pickett JB, 94
 Pittman R, 452
 Plum F, 1, 127
 Polinsky RJ, 305
 Pollack MA, 262
 Pollard J, 523
 Poser CM, 207
 Posner JB, 271
 Powell HC, 550
 Price DL, 558
 Prineas JW, 22
 Raichle ME, 496
 Rajput AH, 498
 Rapoport JL, 305
 Rapoport SI, 211, 245
 Rapp RP, 268
 Rapport RL, 470
 Record KE, 268
 Reynolds CF III, 401
 Robinson DA, 405
 Robinson L, 102
 Rockoff A, 99
 Rodriguez AR, 89
 Rodriguez-Budelli M, 595
 Rolak LA, 437
 Roos RP, 402
 Ropper AH, 102
 Rorke LB, 89
 Rose AL, 99
 Rosenbaum AE, 48
 Rosenberg R, 307
 Roses AD, 422
 Ross ED, 171
 Rowland LP, 111, 385
 Rozdilsky B, 498
 Rubenstein P, 107
 Rucker S, 228
 Sabri MI, 501
 Sackett DL, 599
 Sadeh M, 207
 Saldias CA, 499
 Sarala PK, 327
 Sarova-Pinchas I, 207
 Sato Y, 581
 Satya-Murti S, 445
 Savaki HE, 211
 Schaumburg HH, 501
 Schneiderman JH, 331
 Schoenfeldt RS, 422
 Schold SC, 271
 Schwartz HG, 396
 Shalen PR, 396
 Sharer L, 490
 Sharpe JA, 331
 Shaw C-M, 483
 Shaw NA, 379
 Siber G, 458
 Siesjo BK, 139
 Singh N, 111
 Snead OC, 585
 Sokoloff L, 211
 Somasundaram M, 271
 Spencer PS, 501
 Spigland I, 99
 Stahl SM, 485
 Steen PA, 343
 Stern LZ, 107, 422
 Stevens JR, 453
 Stumpf DA, 596
 Sullivan HG, 228
 Sundt TM Jr, 575
 Sutton DMC, 331
 Sylvester DL, 207
 Tateishi J, 581
 Taylor DW, 599
 Tennekoon G, 558
 Thornton J, 40
 Toyokura Y, 193
 Troost BT, 199
 Trotter JL, 32
 Truax BT, 588
 Turgman J, 207
 Vahlsing HE, 203
 Valenstein E, 166
 van Knapen F, 393
 Vasko M, 374
 Verhage J, 393
 Viola MV, 402
 von Loh S, 475
 Wanat FE, 111
 Warren KG, 89
 Wasserman SI, 322
 Welsh FA, 350
 Wettstein A, 295
 Whisnant JP, 367
 Wilensky AJ, 470
 Williams RS, 597
 Willoughby EW, 391
 Wisniewski HM, 288
 Wisniewski K, 288
 Wolfson SK, 48
 Wróblewska Z, 89
 Wyler DJ, 322
 Young AB, 268
 Young RSK, 588
 Zabriskie J, 385
 Zametkin AJ, 453
 Zee DS, 405
 Zerwekh J, 374
 Ziegler DK, 500
 Zilstorff K, 118
 Zimmerman EA, 462
 Zimmerman RA, 158
 Zipf RE, 96
 Zweiman B, 158

Subject Index

Acetylcholine
inhibition of evoked release of acetylcholine by the porphyrin precursor δ-aminolevulinic acid (Bornstein et al), 94

Acetylcholine receptor
phosphorylation of membrane-bound acetylcholine receptor, inhibition by diphenylhydantoin (Gordon et al), 201

Aicardi syndrome (Bertoni et al), COLLECTIVE REVIEW, 475

Aluminum levels in spinal fluid in patients with Alzheimer disease (Delaney), 580

Alzheimer disease
memory loss in Alzheimer disease (Cook), LETTER, 105
spinal fluid aluminum levels in patients with Alzheimer disease (Delaney), 580

Alzheimer neurofibrillary change
Alzheimer neurofibrillary tangles in diseases other than senile and presenile dementia (Wisniewski et al), 288

δ-Aminolevulinic acid, porphyrin precursor, inhibition of evoked release of acetylcholine by (Bornstein et al), 94

Amyotrophic lateral sclerosis
failure to detect poliovirus genetic information in amyotrophic lateral sclerosis (Viola et al), NOTE, 402
transfer factor is ineffective in amyotrophic lateral sclerosis (Olarte et al), 385

Anesthesia, halothane and barbiturate, intracellular redox states under in normal, ischemic, and anoxic monkey brain (Sundt et al), 575

Aneurysm, intracranial carotid artery, superior branch palsy of oculomotor nerve and pupillary constriction caused by (Feder and Camp), NOTE, 493

Angitis, self-limited granulomatous, of cerebellum (Beresford et al), 490

Animals. See Domestic animals

Anoxia
intracellular redox states under halothane and barbiturate anesthesia in normal, ischemic, and anoxic monkey brain (Sundt et al), 575

Antibodies
dermatomyositis and toxoplasmosis (Hendrickx et al), 383

Anticonvulsants
blepharospasm, successful treatment with clonazepam (Merikangas and Reynolds), NOTE, 401
effect of phenytoin on bone and vitamin D metabolism (Bell et al), 374
inhibitory effects of anticonvulsant drugs on cyclic nucleotide accumulation in brain (Ferrendelli and Kinscherf), 533
mucocutaneous eruptions due to antiepileptic drug therapy in children (Pollack et al), 262
oral phenytoin loading in adults, rapid achievement of therapeutic plasma levels (Record et al), 268
phosphorylation of membrane-bound acetylcholine re-

ceptor, inhibition by diphenylhydantoin (Gordon et al), 201

single-dose pharmacokinetics and anticonvulsant efficacy of primidone in mice (Leal et al), 470

stimulatory effects of drugs for protein synthesis on muscle cell cultures in Duchenne dystrophy (Ionasescu et al), 107

thrombocytopenia associated with sodium valproate treatment (Neophytides et al), 389

Arachnoid cyst
“arachnoid cyst” of sylvian fissure versus “temporal lobe agenesis” syndrome (Shaw), 483

Arterial occlusive disease
cerebral and retinal vascular complications of inflammatory bowel disease (Schneiderman et al), 331
symptomatic middle cerebral artery stenosis (Hinton et al), 152

Arteriovenous malformation
familial arteriovenous malformation (Snead et al), 585
resolution of classic migraine after removal of occipital lobe AVM (Troost et al), 199

Aspirin
controversy in neurology—Canadian study on TIA and aspirin: a critique of the Canadian TIA study (Kurtzke), LETTER, 597; reply (Barnett et al), 599; controversy in interpretation of clinical trials (Armitage), 601

Ataxia, familial, beneficial effect of propranolol in (Braham et al), 207

Atrial myxoma with intellectual decline and cerebral growths on CT scan (Frank et al), 396

Atrophy
central vestibular involvement in peroneal muscle atrophy (Melgaard and Zilstorff), 118
developmental reflexes and cortical atrophy (Moylan and Saldias), LETTER, 499
linear scleroderma as cause for hemiatrophy (Rosenberg and Greenberg), NOTE, 307

Axonopathy
does a defect of energy metabolism in the nerve fiber underlie axonal degeneration in polyneuropathies? (Spencer et al), HYPOTHESIS, 501

Ballistic movements, human, voluntary motor commands in (Desmedt and Godaux), 415

Barbiturates
delayed pentobarbital administration limits ischemic brain damage in gerbils (Levy and Brierley), 59
intracellular redox states under halothane and barbiturate anesthesia in normal, ischemic, and anoxic monkey brain (Sundt et al), 575
metabolism of dimethoxymethyl phenobarbital (eterobarb) in patients with epilepsy (Goldberg et al), 121
no barbiturate protection in a dog model of complete cerebral ischemia (Steen et al), 343

BEAM
brain electrical activity mapping (BEAM), method for extending clinical utility of EEG and evoked potential data (Duffy et al), 309

Bicuculline-induced seizures, effects on cerebral metabolism and circulation of rats rendered hypoglycemic by starvation (Blennow et al), 139

January issue, pp 1-106; February issue, pp 107-210; March issue, pp 211-308; April issue, pp 309-404; May issue, pp 405-500; June issue, pp 501-603.

Blepharospasm, successful treatment with clonazepam (Merikangas and Reynolds), NOTE, 401

Blink
ontogeny of spontaneous blinking and of habituation of the blink reflex (Zametkin et al), 453

Blood
substances which modulate leukocyte migration are present in CSF during meningitis (Wyler et al), 322

suppressor cell function in multiple sclerosis (Antel et al), 338

thrombocytopenia associated with sodium valproate treatment (Neophytides et al), 389

Blood-brain barrier, osmotic opening and local cerebral glucose utilization (Pappius et al), 211

Blood vessels
cerebral and retinal vascular complications of inflammatory bowel disease (Schneiderman et al), 331

superior branch palsy of oculomotor nerve and pupillary constriction caused by intracranial carotid artery aneurysm (Feder and Camp), NOTE, 493

Bone and vitamin D metabolism, effect of phenytoin on (Bell et al), 374

Books
books received and brief reviews, 308, 603

Brain Energy Metabolism, by Siesjo (Plum), 308

Manual of Neurologic Therapeutics: With Essentials of Diagnosis, edited by Samuels (Volpe), 404

Pediatric Neurosurgery (Contemporary Neurology Series), by Milhorat (Dykens), 404

Bowel disease, inflammatory, cerebral and retinal vascular complications of (Schneiderman et al), 331

Brain. See also Brain damage; Brain tumors; and under Cerebral
“arachnoid cysts” of sylvian fissure versus “temporal lobe agenesis” syndrome (Shaw), 483

atrial myxoma with intellectual decline and cerebral growths on CT scan (Frank et al), 396

brain electrical activity mapping (BEAM), method for extending clinical utility of EEG and evoked potential data (Duffy et al), 309

cortical activation pattern during saccadic eye movements in humans, localization by focal cerebral blood flow increases (Melamed and Larsen), 79

decreasing incidence of primary intracerebral hemorrhage, population study (Furlan et al), 367

degeneration of cerebellar system in X-chromosome-linked copper malabsorption (Iwata et al), 542

developmental reflexes and cortical atrophy (Moylan and Saldias), LETTER, 499

familial arteriovenous malformation (Snead et al), 585

inhibitory effects of anticonvulsant drugs on cyclic nucleotide accumulation in brain (Ferrendelli and Kinscherf), 533

mechanisms underlying hemispatial neglect (Heilman and Valenstein), 166

pathophysiology of pseudotumor (Fishman), LETTER, 496; reply (Raichle), LETTER, 496

regeneration of magnocellular system of the rhesus monkey following hypothalamic lesions (Antunes et al), 462

resolution of classic migraine after removal of occipital lobe AVM (Troost et al), 199

transmission of chronic spongiform encephalopathy with kuru plaques from humans to small rodents (Tateishi et al), 581

Brain damage
delayed pentobarbital administration limits ischemic brain damage in gerbils (Levy and Brierley), 59

diffuse cerebral ischemia in the cat: III, neuropathological sequelae of severe ischemia (Ginsberg et al), 350

Brainstem
palatal myoclonus and denervation supersensitivity in the central nervous system (Matsuo and Ajax), 72

Brain tumors
atrial myxoma with intellectual decline and cerebral growths on CT scan (Frank et al), 396

choroid plexus papilloma and infantile spasms (Branch and Dyken), 302

determinants of survival in children with brain tumors (Gold and Gordis), 569

patterns of incidence of brain tumors in children (Gold and Gordis), 565

Brown-Séquard syndrome
position and vibration sensations, functions of the dorsal spinocerebellar tracts? (Ross et al), 171

Calcification
cervical radiculomyelopathy due to calcified ligamenta flava (Kamakura et al), 193

Canadian Cooperative Study
controversy in neurology—Canadian study on TIA and aspirin: a critique of the Canadian TIA study (Kurzke), LETTER, 597; reply (Barnett et al), LETTER, 599; controversy in interpretation of clinical trials (Armitage), LETTER, 601

Cancer
determinants of survival in children with brain tumors (Gold and Gordis), 569

paraneoplastic vasculitis of nerve, remote effect of cancer (Johnson et al), 437

patterns of incidence of brain tumors in children (Gold and Gordis), 565

retroperitoneal neuroblastoma widely metastatic to the central nervous system (Dresler et al), 196

subacute motor neuronopathy, remote effect of lymphoma (Schold et al), 271

Central nervous system diseases
Alzheimer neurofibrillary tangles in diseases other than senile and presenile dementia (Wisniewski et al), 288

cervical radiculomyelopathy due to calcified ligamenta flava (Kamakura et al), 193

cranial computed tomography in diagnosis of systemic lupus erythematosus (Gonzalez-Scarano et al), 158

cytomegalovirus infection of adult nervous system (Duchowny et al), 458

position and vibration sensations, functions of the dorsal spinocerebellar tracts? (Ross et al), 171

postirradiation myelopathy in children (Kun), LETTER, 106

retroperitoneal neuroblastoma widely metastatic to the central nervous system (Dresler et al), 196

subacute motor neuronopathy, remote effect of lymphoma (Schold et al), 271

Cerebellum
degeneration of cerebellar system in X-chromosome-linked copper malabsorption (Iwata et al), 542

self-limited granulomatous angiitis of cerebellum (Beresford et al), 490

Cerebral anoxia
intracellular redox states under halothane and barbiturate anesthesia in normal, ischemic, and anoxic monkey brain (Sundt et al), 575

Cerebral arteries
cerebral and retinal vascular complications of inflammatory bowel disease (Schneiderman et al), 331
symptomatic middle cerebral artery stenosis (Hinton et al), 152

Cerebral blood flow
cortical activation pattern during saccadic eye movements in humans, localization by focal cerebral blood flow increases (Melamed and Larsen), 79
effects of bicuculline-induced seizures on cerebral metabolism and circulation of rats rendered hypoglycemic by starvation (Blennow et al), 139
symptomatic middle cerebral artery stenosis (Hinton et al), 152

Cerebral hemorrhage
decreasing incidence of primary intracerebral hemorrhage, population study (Furlan et al), 367

Cerebral infarction
cerebral color blindness, acquired defect in hue discrimination (Pearlman et al), 253
comparative cranial CT enhancement in primate model of cerebral infarction (Drayer et al), 48
symptomatic cerebral artery stenosis (Hinton et al), 152

Cerebral ischemia
controversy in neurology—Canadian study on TIA and aspirin: a critique of the Canadian TIA study (Kurtzke), LETTER, 597; reply (Barnett et al), LETTER, 599; controversy in interpretation of clinical trials (Armitage), LETTER, 601
delayed pentobarbital administration limits ischemic brain damage in gerbils (Levy and Brierley), 59
diffuse cerebral ischemia in the cat: III, neuropathological sequelae of severe ischemia (Ginsberg et al), 350
intracellular redox states under halothane and barbiturate anesthesia in normal, ischemic, and anoxic monkey brain (Sundt et al), 575
no barbiturate protection in a dog model of complete cerebral ischemia (Steen et al), 343
selective chromatolysis of neurons in gerbil brain, possible consequence of "epileptic" activity produced by common carotid artery occlusion (Brown et al), 127

Cerebral metabolism
effects of bicuculline-induced seizures on cerebral metabolism and circulation of rats rendered hypoglycemic by starvation (Blennow et al), 139
inhibitory effects of anticonvulsant drugs on cyclic nucleotide accumulation in brain (Ferrendelli and Kinscherf), 533
osmotic opening of blood-brain barrier and local cerebral glucose utilization (Pappius et al), 211

Cerebrospinal fluid
bolus versus steady-state infusion for determination of CSF outflow resistance (Sullivan et al), 228
spinal fluid aluminum levels in patients with Alzheimer disease (Delaney), 580
substances which modulate leukocyte migration are present in CSF during meningitis (Wyler et al), 322

Charcot-Marie-Tooth disease
homozygous expression of a dominant gene for Charcot-Marie-Tooth neuropathy (Killian and Kloepfer), 515

hyperexcitability of motor and sensory neurons in neuromyotonia (Lance et al), 523

Chlorimipramine and desipramine, trial for Gilles de la Tourette syndrome (Caine et al), NOTE, 305

Chondrodystrophy
chondrodystrophic myotonia versus Schwartz-Jampel syndrome (Aberfeld), LETTER, 210

Choroid plexus papilloma and infantile spasms (Branch and Dyken), 302

Chromatolysis, selective, of neurons in gerbil brain, possible consequence of "epileptic" activity produced by common carotid artery occlusion (Brown et al), 127

Clinical trials
controversy in neurology—Canadian study on TIA and aspirin—a critique (Kurtzke), LETTER, 597; reply (Barnett et al), LETTER, 599; controversy in interpretation of clinical trials (Armitage), LETTER, 601

Clonazepam, successful treatment of blepharospasm with (Merikangas and Reynolds), NOTE, 401

Cognitive dysfunction
atrial myxoma with intellectual decline and cerebral growths on CT scan (Frank et al), 396
mechanisms underlying hemispatial neglect (Heilman and Valenstein), 166

Color blindness, cerebral, acquired defect in hue discrimination (Pearlman et al), 253

Coma
central somatosensory conduction time in comatose patients (Hume et al), 379

Computerized tomography. See CT scanning

Concanavalin A
suppressor cell function in multiple sclerosis (Antel et al), 338

Congenital disorders
Aicardi syndrome (Berthoni et al), COLLECTIVE REVIEW, 475

Connective tissue
linear scleroderma as cause for hemiatrophy (Rosenberg and Greenberg), NOTE, 307

Copper metabolism
clinical and biochemical aspects of trichopoliodystrophy (Grover et al), 65
computed tomography in Wilson disease (Ropper et al), NOTE, 102
degeneration of cerebellar system in X-chromosome-linked copper malabsorption (Iwata et al), 542
thalamic degeneration in X-chromosome-linked copper malabsorption (Iwata et al), 359

Cori-Forbes disease
debrancher deficiency (DiMauro et al), 422

Corticosteroids
corticosteroid therapy and Tourette syndrome (Geschwind), LETTER, 495; reply (Kondo), LETTER, 495

Creutzfeldt-Jakob disease
Creutzfeldt-Jakob disease in France, retrospective study of Paris area during the ten-year period 1968-1977 (Brown and Cathala), 189
Creutzfeldt-Jakob disease, patterns of worldwide occurrence and significance of familial and sporadic clustering (Masters et al), 177
transmission of chronic spongiform encephalopathy with kuru plaques from humans to small rodents (Tateishi et al), 581

CT scanning

- atrial myxoma with intellectual decline and cerebral growths on CT scan (Frank et al), 396
- comparative cranial CT enhancement in primate model of cerebral infarction (Drayer et al), 48
- computed tomography in Wilson disease (Ropper et al), NOTE, 102
- computerized tomography in diagnostic evaluation of multiple sclerosis (Hershey et al), 32
- cranial computed tomography in diagnosis of systemic lupus erythematosus (Gonzalez-Scarano et al), 158

Cyclic nucleotide. See Nucleotides

Cysts

- "arachnoid cysts" of sylvian fissure versus "temporal lobe agenesis" syndrome (Shaw), 483

Cytomegalovirus infection of adult nervous system (Duchowny et al), 458

Deafness

- musical hallucinations in a deaf elderly patient (Miller and Crosby), 301

Debrancher deficiency (DiMauro et al), 422

Deficiency states

- debrancher deficiency (DiMauro et al), 422
- decreased serotonergic activity in Tourette syndrome (Crosley), LETTER, 596

Demyelinating diseases

- acute demyelinating disease in a chimpanzee three years after inoculation of brain cells from a patient with MS (Rorke et al), 89
- remyelination in multiple sclerosis (Prineas and Connell), 22

Deneration supersensitivity and palatal myoclonus in the central nervous system (Matsuo and Ajaz), 72

Dermatomyositis and toxoplasmosis (Hendrickx et al), 393

Desipramine and chlorimipramine, trial for Gilles de la Tourette syndrome (Caine et al), NOTE, 305

Development

- chronic lead intoxication, effects on developing optic nerve (Tennekoon et al), 558
- development of nystagmus in response to vestibular stimulation in infants (Eviatar et al), 508

Developmental reflexes and cortical atrophy (Moylan and Saldias), LETTER, 499

Diabetes

- nerve lipid abnormalities in human diabetic neuropathy (Brown et al), 245

Diagnosis

- role of neurologists in detecting organic brain dysfunction (Ziegler), LETTER, 500; reply (DePaulo and Folstein), LETTER, 500

Diagnostic tests. See also CT scanning; Evoked potentials

- central somatosensory conduction time in comatose patients (Hume et al), 379
- cortical activation pattern during saccadic eye movements in humans, localization by focal cerebral blood flow increases (Melamed and Larsen), 70
- tarsal tunnel syndrome, electrophysiological study (Oh et al), 327

Dimethoxymethyl phenobarbital (eterobarb), metabolism in patients with epilepsy (Goldberg et al), 121

Diphenylhydantoin

- phosphorylation of membrane-bound acetylcholine receptor, inhibition by diphenylhydantoin (Gordon et al), 201

stimulatory effects of drugs for protein synthesis on muscle cell cultures in Duchenne dystrophy (Ionasescu et al), 107

Domestic animals

- association of multiple sclerosis with domestic animals and house pets (Sylwester and Poser), NOTE, 207
- house dogs and multiple sclerosis (Garcia-Buñuel), LETTER, 106

Dorsal column

- position and vibration sensations, functions of the dorsal spinocerebellar tracts? (Ross et al), 171

Drug reactions

- mucocutaneous eruptions due to antiepileptic drug therapy in children (Pollack et al), 262

Duchenne dystrophy, stimulatory effects of drugs for protein synthesis on muscle cell cultures in (Ionasescu et al), 107

Dystrophy

- chondrodystrophic myotonia versus Schwartz-Jampel syndrome (Aberfeld), LETTER, 210
- clinical and biochemical effects of trichopoliodystrophy (Grover et al), 65
- Emery-Dreifuss muscular dystrophy (Rowland et al), 111
- stimulatory effects of drugs for protein synthesis on muscle cell cultures in Duchenne dystrophy (Ionasescu et al), 107

Edema, pulmonary, pheochromocytoma causing exercise-related headache and (Paulson et al), 96

Electrical activity

- brain electrical activity mapping (BEAM), method for extending the clinical utility of EEG and evoked potential data (Duffy et al), 309

Electroencephalogram

- brain electrical activity mapping (BEAM), method for extending clinical utility of EEG and evoked potential data (Duffy et al), 309

Emery-Dreifuss muscular dystrophy (Rowland et al), 111

Encephalitis

- cytomegalovirus infection of adult nervous system (Duchowny et al), 458
- explanation for localization of herpes simplex encephalitis? (Davis and Johnson), HYPOTHESIS, 2

Encephalomyelitis, postvaccinal, without cutaneous vaccination reaction (Rockoff et al), 99

Encephalopathy

- hypernatremic hemorrhagic encephalopathy (Young and Truax), 588
- transmission of chronic spongiform encephalopathy with kuru plaques from humans to small rodents (Tateishi et al), 581

Endoneurium

- endoneurial fluid pressure in wallerian degeneration (Powell et al), 550
- endoneurial lipid composition of normal human sural nerve (Brown et al), 239
- nerve lipid abnormalities in human diabetic neuropathy (Brown et al), 245

Enzyme deficiency

- debrancher deficiency (DiMauro et al), 422

Enzymes

- activity of 2',3'-cyclic nucleotide 3'-phosphohydrolase in human cerebrospinal fluid (Banik et al), 539
- methodology in evaluating pyruvate oxidation (Kark et al), LETTER, 595; reply (Stumpf and Parks), LETTER, 596

Enzyme treatment of spinal cord transected rats (Feringa et al), 203

Epidemiology

- Creutzfeldt-Jakob disease in France, retrospective study of Paris area during the ten-year period 1968-1977 (Brown and Cathala), 189
- Creutzfeldt-Jakob disease, patterns of worldwide occurrence and significance of familial and sporadic clustering (Masters et al), 177
- decreasing incidence of primary intracerebral hemorrhage, population study (Furlan et al), 367
- determinants of survival in children with brain tumors (Gold and Gordis), 569
- multiple sclerosis in the Faroe Islands, clinical and epidemiological features (Kurtzke and Hyllested), 6
- patterns of incidence of brain tumors in children (Gold and Gordis), 565

Epilepsy

- Aicardi syndrome (Bertoni et al), COLLECTIVE REVIEW, 475
- controversy in neurology—Canadian study on TIA and aspirin: a critique of the Canadian TIA study (Kurtzke), LETTER, 597; reply (Barnett et al), LETTER, 599; controversy in interpretation of clinical trials (Armitage), LETTER, 601
- effect of phenytoin on bone and vitamin D metabolism (Bell et al), 374
- effects of bicuculline-induced seizures on cerebral metabolism and circulation of rats rendered hypoglycemic by starvation (Blennow et al), 139
- inhibitory effects of anticonvulsant drugs on cyclic nucleotide accumulation in brain (Ferrendelli and Kinscherf), 533
- metabolism of dimethoxymethyl phenobarbital (eterobarb) in patients with epilepsy (Goldberg et al), 121
- mucocutaneous eruptions due to antiepileptic drug therapy in children (Pollack et al), 262
- oral phenytoin loading in adults, rapid achievement of therapeutic plasma levels (Record et al), 268
- PLEDs and nystagmus retractorius (Brenner and Carroll), LETTER, 403
- single-dose pharmacokinetics and anticonvulsant efficacy of primidone in mice (Leal et al), 470
- thrombocytopenia associated with sodium valproate treatment (Neophytides et al), 389
- Eterobarb, dimethoxymethyl phenobarbital, metabolism in patients with epilepsy (Goldberg et al), 121
- Evoked potentials**

 - abnormal auditory evoked potentials in hereditary motor-sensory neuropathy (Satya-Murti et al), 445
 - brain electrical activity mapping (BEAM), method for extending clinical utility of EEG and evoked potential data (Duffy et al), 309
 - central somatosensory conduction time in comatose patients (Hume et al), 379
 - visual evoked potentials and the visuogram in multiple sclerosis (Bodis-Wollner et al), 40

Eye

 - development of nystagmus in response to vestibular stimulation in infants (Eviatar et al), 508
 - ontogeny of spontaneous blinking and of habituation of the blink reflex (Zametkin et al), 453

Eye diseases

 - cerebral and retinal vascular complications of inflammatory bowel disease (Schneiderman et al), 331
 - chronic lead intoxication, effects on developing optic nerve (Tennekoon et al), 558
 - superior branch palsy of oculomotor nerve and pupillary constriction caused by intracranial carotid artery aneurysm (Feder and Camp), NOTE, 493

Eye function

 - cerebral color blindness, acquired defect in hue discrimination (Pearlman et al), 253
 - mechanisms underlying hemispatial neglect (Heilman and Valenstein), 166
 - visual evoked potentials and the visuogram in multiple sclerosis (Bodis-Wollner et al), 40

Eye movement disorders

 - blepharospasm, successful treatment with clonazepam (Merikangas and Reynolds), NOTE, 401
 - horizontal pursuit defect nystagmus (Abel et al), 449
 - PLEDs and nystagmus retractorius (Brenner and Carroll), LETTER, 403

Eye movements

 - cortical activation pattern during saccadic eye movements in humans, localization by focal cerebral blood flow increases (Melamed and Larsen), 79
 - hypothetical explanation of saccadic oscillations (Zee and Robinson), HYPOTHESIS, 405

Familial diseases. See Genetic disorders

Faroe Islands, multiple sclerosis in, clinical and epidemiological features (Kurtzke and Hyllested), 6

Fasciculations in motoneuron disease, origin of (Wettstein), 295

Genetic disorders

 - abnormal auditory evoked potentials in hereditary motor-sensory neuropathy (Satya-Murti et al), 445
 - beneficial effect of propranolol in familial ataxia (Braham et al), 207
 - central vestibular involvement in peroneal muscle atrophy (Melgaard and Zilstorff), 118
 - degeneration of cerebellar system in X-chromosome-linked copper malabsorption (Iwata et al), 542
 - Emery-Dreifuss muscular dystrophy (Rowland et al), 111
 - familial arteriovenous malformation (Snead et al), 585
 - familial Tourette syndrome (Guggenheim), LETTER, 104
 - homozygous expression of a dominant gene for Charcot-Marie-Tooth neuropathy (Kilian and Kloepfer), 515
 - thalamic degeneration in X-chromosome-linked copper malabsorption (Iwata et al), 359

Gilles de la Tourette syndrome. See Tourette syndrome

Glabellar reflex

 - ontogeny of spontaneous blinking and of habituation of the blink reflex (Zametkin et al), 453

Glucose utilization, local cerebral, and osmotic opening of blood-brain barrier (Pappius et al), 211

Glycogenosis

 - debrancher deficiency (DiMauro et al), 422

Hallucinations, musical in a deaf elderly patient (Miller and Crosby), 301

Halothane and barbiturate anesthesia, intracellular redox states under in normal, ischemic, and anoxic monkey brain (Sundt et al), 575

Headache. See also Migraine

 - pheochromocytoma causing exercise-related headache and pulmonary edema (Paulson et al), 96

Hearing disorders

- abnormal auditory evoked potentials in hereditary motor-sensory neuropathy (Satya-Murti et al), 445
- musical hallucinations in a deaf elderly patient (Miller and Crosby), 301

Heart

- atrial myxoma with intellectual decline and cerebral growths on CT scan (Frank et al), 396

Hematopoiesis, extramedullary, progressive myelopathy due to (Stahl et al), 485

Hemiatrophy, linear scleroderma as cause for (Rosenberg and Greenberg), NOTE, 307

Hemispatial neglect, mechanisms underlying (Heilman and Valenstein), 166

Hemorrhage

- decreasing incidence of primary intracerebral hemorrhage, population study (Furlan et al), 367
- hypernatremic hemorrhagic encephalopathy (Young and Truax), 588

Hereditary diseases. See Genetic disorders

Herpes simplex encephalitis, explanation for localization of (Davis and Johnson), HYPOTHESIS, 2

Homozygous inheritance

- homozygous expression of a dominant gene for Charcot-Marie-Tooth neuropathy (Kilian and Kloepper), 515

Horizontal pursuit defect nystagmus (Abel et al), 449

Hypercoagulable state

- cerebral and retinal vascular complications of inflammatory bowel disease (Schneiderman et al), 331

Hyperexcitability of motor and sensory neurons in neuromyotonia (Lance et al), 523

Hypernatremia

- hypernatremic hemorrhagic encephalopathy (Young and Truax), 588

Hypoglycemia

- effects of bicuculline-induced seizures on cerebral metabolism and circulation of rats rendered hypoglycemic by starvation (Blennow et al), 139

Hypothalamus

- regeneration of magnocellular system of the rhesus monkey following hypothalamic lesions (Antunes et al), 462

Hypotheses

- does a defect of energy metabolism in the nerve fiber underlie axonal degeneration in polyneuropathies? (Spencer et al), 501
- explanation for localization of herpes simplex encephalitis? (Davis and Johnson), 2
- hypothetical explanation of saccadic oscillations (Zee and Robinson), 405

Hypsarrhythmia

- choroid plexus papilloma and infantile spasms (Branch and Dyken), 302

Iatrogenic disorders

- postirradiation myelopathy in children (Kun), LETTER, 106
- infantile spasms and choroid plexus papilloma (Branch and Dyken), 302

Infarction. See also Cerebral infarction

- symptomatic middle cerebral artery stenosis (Hinton et al), 152

Infectious diseases

- Creutzfeldt-Jakob disease in France, retrospective study of Paris area during the ten-year period 1968-1977 (Brown and Cathala), 189
- Creutzfeldt-Jakob disease, patterns of worldwide occurrence and significance of familial and sporadic clustering (Masters et al), 177
- cytomegalovirus infection of adult nervous system (Duchowny et al), 458
- postvaccinal encephalomyelitis without cutaneous vaccination reaction (Rockoff et al), 99
- Inflammatory disease, bowel, cerebral and retinal vascular complications of (Schneiderman et al), 331

Ischemia

- controversy in neurology—Canadian study on TIA aspirin: a critique of the Canadian TIA study (Kurtzke), LETTER, 597; reply (Barnett et al), LETTER, 599; controversy in interpretation of clinical trials (Armitage), LETTER, 601
- delayed pentobarbital administration limits ischemic brain damage in gerbils (Levy and Brierley), 59
- diffuse cerebral ischemia in the cat: III, neuropathological sequelae of severe ischemia (Ginsberg et al), 350
- intracellular redox states under halothane and barbiturate anesthesia in normal, ischemic, and anoxic monkey brain (Sundt et al), 575
- no barbiturate protection in a dog model of complete cerebral ischemia (Steen et al), 343

Kuru plaques, transmission of chronic spongiform encephalopathy from humans to small rodents with (Tateishi et al), 581

Lead intoxication, chronic, effects on developing optic nerve (Tennekoon et al), 575

Letters

- chondrolystrophic myotonia versus Schwartz-Jampel syndrome (Aberfeld), 210
- chronic subdural hematoma simulating transient ischemic attacks (Williams), 597
- controversy in neurology—the Canadian study on TIA and aspirin: a critique of the Canadian TIA study (Kurtzke), 597; reply (Barnett et al), 599; controversy in interpretation of clinical trials (Armitage), 601
- corticosteroid therapy and Tourette syndrome (Geschwind), 495; reply (Kondo), 495
- decreased serotonergic activity in Tourette syndrome (Crosley), 596
- developmental reflexes and cortical atrophy (Moylan and Saldias), 499
- familial Tourette syndrome (Guggenheim), 104
- house dogs and multiple sclerosis (Garcia-Buñuel), 106
- memory loss in Alzheimer disease (Cook), 105
- methodology in evaluating pyruvate oxidation (Kark et al), 595; reply (Stumpf and Parks), 596
- neurological research (Robinson), 102
- neurological research funding in Canada (Dinsdale), 209
- orthostatic hypotension, pathology of the disease (Oppenheimer), 497; sympathetic ganglia changes (Rajput and Rozdilsky), 498; reply (Black and Petito), 498
- pathophysiology of pseudotumor (Fishman), 496; reply (Raichle), 496
- physostigmine in Reye syndrome (Pettigrew et al), 105
- PLEDs and nystagmus retractorius (Brenner and Carroll), 403
- postirradiation myelopathy in children (Kun), 106

Letters (continued)

role of neurologists in detecting organic brain dysfunction (Ziegler), 500; reply (DePaulo and Folstein), 500
unusual phenomenon in Parkinson disease (McCarthy), 499

Leukocytes
substances which modulate leukocyte migration are present in CSF during meningitis (Wyler et al), 322

Ligaments
cervical radiculomyelopathy due to calcified ligamenta flava (Kamakura et al), 193

Lipids
endoneurial lipid composition of normal human sural nerve (Brown et al), 239
nerve lipid abnormalities in human diabetic neuropathy (Brown et al), 245

Lung
pheochromocytoma causing exercise-related headache and pulmonary edema (Paulson et al), 96

Lupus erythematosus, systemic, cranial computed tomography in diagnosis of (Gonzalez-Scarano et al), 158

Lymphokine, production in multiple sclerosis, prostaglandin effect on (Willoughby et al), 391

Lymphoma, subacute motor neuronopathy as remote effect (Schold et al), 271

Magnocellular system of rhesus monkey, regeneration following hypothalamic lesions (Antunes et al), 462

Memory loss in Alzheimer disease (Cook), LETTER, 105

Meningitis, substances which modulate leukocyte migration are present in CSF during (Wyler et al), 322

Menkes disease
clinical and biochemical aspects of trichopoliodystrophy (Grover et al), 65

Merritt, H. Houston (Fishman), OBITUARY, 592

Message from the editor (Plum), 1, 538

Metabolic diseases
clinical and biochemical aspects of trichopoliodystrophy (Grover et al), 65
debrancher deficiency (DiMauro et al), 422
degeneration of cerebellar system in X-chromosome-linked copper malabsorption (Iwata et al), 542
does a defect of energy metabolism in the nerve fiber underlie axonal degeneration in polyneuropathies? (Spencer et al), HYPOTHESIS, 501
hypernatremic hemorrhagic encephalopathy (Young and Truax), 588
thalamic degeneration in X-chromosome-linked copper malabsorption (Iwata et al), 359

Metabolism
activity of 2',3'-cyclic nucleotide 3'-phosphohydrolase in human cerebrospinal fluid (Banik et al), 539
decreased serotonergic activity in Tourette syndrome (Crosley), LETTER, 596
effect of phenytoin on bone and vitamin D metabolism (Bell et al), 374
effects of bicuculline-induced seizures on cerebral metabolism and circulation of rats rendered hypoglycemic by starvation (Blennow et al), 139
inhibition of evoked release of acetylcholine by the porphyrin precursor δ-aminolevulinic acid (Bornstein et al), 94

metabolism of dimethoxymethyl phenobarbital (eterobarb) in patients with epilepsy (Goldberg et al), 121

methodology in evaluating pyruvate oxidation (Kark et al), LETTER, 595; reply (Stumpf and Parks), LETTER, 596

osmotic opening of blood-brain barrier and local cerebral glucose utilization (Pappius et al), 211

phosphorylation of membrane-bound acetylcholine receptor, inhibition by diphenylhydantoin (Gordon et al), 201

single-dose pharmacokinetics and anticonvulsant efficacy of primidone in mice (Leal et al), 470

stimulatory effects of drugs for protein synthesis on muscle cell cultures in Duchenne dystrophy (Ionasescu et al), 107

Middle cerebral artery stenosis, symptomatic (Hinton et al), 152

Migraine, classic, resolution after removal of occipital lobe AVM (Troost et al), 199

Mononeuritis multiplex
paraneoplastic vasculitis of nerve, remote effect of cancer (Johnson et al), 437

Motoneuron disease
impairment of voluntary movement by spasticity (Mizrahi and Angel), NOTE, 594
origin of fasciculations in motoneuron disease (Wettstein), 295
subacute motor neuronopathy, remote effect of lymphoma (Schold et al), 271

Motor function
impairment of voluntary movement by spasticity (Mizrahi and Angel), NOTE, 594
subacute motor neuronopathy, remote effect of lymphoma (Schold et al), 271
voluntary motor commands in human ballistic movements (Desmedt and Godaux), 415

Mucocutaneous eruptions due to antiepileptic drug therapy in children (Pollack et al), 262

Multiple sclerosis
acute demyelinating disease in a chimpanzee three years after inoculation of brain cells from a patient with MS (Rorke et al), 89
association of multiple sclerosis with domestic animals and household pets (Sylvester and Poser), NOTE, 207
computerized tomography in diagnostic evaluation of multiple sclerosis (Hershey et al), 32
house dogs and multiple sclerosis (Garcia-Buñuel), LETTER, 106
multiple sclerosis in the Faroe Islands, clinical and epidemiological features (Kurtzke and Hyellested), 6
prostaglandin effect on lymphokine production in multiple sclerosis (Willoughby et al), 391
remyelination in multiple sclerosis (Prineas and Connell), 22
suppressor cell function in multiple sclerosis (Antel et al), 338
visual evoked potentials and the visuogram in multiple sclerosis (Bodis-Wollner et al), 40

Muscular dystrophy
Emery-Dreifuss muscular dystrophy (Rowland et al), 111
stimulatory effects of drugs for protein synthesis on muscle cell cultures in Duchenne dystrophy (Ionasescu et al), 107

Myopathy

- activity of 2',3'-cyclic nucleotide 3'-phosphohydrolase in human cerebrospinal fluid (Banik et al), 539
- acute demyelinating disease in a chimpanzee three years after inoculation of brain cells from a patient with MS (Rorke et al), 89
- cervical radiculomyopathy due to calcified ligamenta flava (Kamakura et al), 193
- postirradiation myopathy in children (Kun), LETTER, 106
- progressive myopathy due to extramedullary hematopoiesis (Stahl et al), 485
- subacute motor neuropathy, remote effect of lymphoma (Schold et al), 271

Myoclonus, palatal, and denervation supersensitivity in the central nervous system (Matsuo and Ajax), 72

Myokymia

- hyperexcitability of motor and sensory neurons in neuromyotonia (Lance et al), 523

Myopathy

- debrancher deficiency (DiMauro et al), 422
- hyperexcitability of motor and sensory neurons in neuromyotonia (Lance et al), 523
- sporadic distal myopathy with early adult onset (Miller et al), 220

Myotonia

- chondrodystrophic myotonia versus Schwartz-Jampel syndrome (Aberfeld), LETTER, 210
- hyperexcitability of motor and sensory neurons in neuromyotonia (Lance et al), 523

Myxoma, atrial, with intellectual decline and cerebral growths on CT scan (Frank et al), 396

Nerve

- chronic lead intoxication, effects on developing optic nerve (Tennekoon et al), 558
- does a defect of energy metabolism in the nerve fiber underlie axonal degeneration in polyneuropathies? (Spencer et al), 501
- endoneurial fluid pressure in wallerian degeneration (Powell et al), 550
- endoneurial lipid composition of normal human sural nerve (Brown et al), 239
- hyperexcitability of motor and sensory neurons in neuromyotonia (Lance et al), 523
- nerve lipid abnormalities in human diabetic neuropathy (Brown et al), 245
- paraneoplastic vasculitis of nerve, remote effect of cancer (Johnson et al), 437

Nerve conduction

- central somatosensory conduction time in comatose patients (Hume et al), 379
- tarsal tunnel syndrome, electrophysiological study (Oh et al), 327

Neuroblastoma, retroperitoneal, widely metastatic to central nervous system (Dresler et al), 196

Neurofibrillary change

- Alzheimer neurofibrillary tangles in diseases other than senile and presenile dementia (Wisniewski et al), 288

Neurology

- role of neurologists in detecting organic brain dysfunction (Ziegler), LETTER, 500; reply (DePaulo and Folstein), LETTER, 500

Neuromyotonia, hyperexcitability of motor and sensory neurons in (Lance et al), 523

Neuronal degeneration

- endoneurial fluid pressure in wallerian degeneration (Powell et al), 550
- thalamic degeneration in X-chromosome-linked copper malabsorption (Iwata et al), 359

Neuropathy

- abnormal auditory evoked potentials in hereditary motor-sensory neuropathy (Satya-Murti et al), 445
- cytomegalovirus infection of adult nervous system (Duchowny et al), 458
- endoneurial fluid pressure in wallerian degeneration (Powell et al), 550
- homozygous expression of a dominant gene for Charcot-Marie-Tooth neuropathy (Killian and Kleopfer), 515
- inhibition of evoked release of acetylcholine by the porphyrin precursor δ-aminolevulinic acid (Bornstein et al), 94
- nerve lipid abnormalities in human diabetic neuropathy (Brown et al), 245
- superior branch palsy of oculomotor nerve and pupillary constriction caused by intracranial carotid artery aneurysm (Feder and Camp), NOTE, 493
- tarsal tunnel syndrome, electrophysiological study (Oh et al), 327

Notice from the editor, 538

Nucleotides

- activity of 2',3'-cyclic nucleotide 3'-phosphohydrolase in human cerebrospinal fluid (Banik et al), 539
- inhibitory effects of anticonvulsant drugs on cyclic nucleotide accumulation in brain (Ferrendelli and Kinscherf), 533

Nystagmus

- development of nystagmus in response to vestibular stimulation in infants (Eviatar et al), 508
- horizontal pursuit defect nystagmus (Abel et al), 449
- PLEDs and nystagmus retractorius (Brenner and Carlow), LETTER, 403

Obituary

- H. Houston Merritt (Fishman), 592

Ocular disorders. See Eye diseases; Eye movement disorders

Optic nerve, developing, effects of chronic lead intoxication on (Tennekoon et al), 558

Organic brain dysfunction, role of neurologists in detecting (Ziegler), LETTER, 500; (DePaulo and Folstein), LETTER, 500

Orgotein

- stimulatory effects of drugs for protein synthesis on muscle cell cultures in Duchenne dystrophy (Ionasescu et al), 107

Orthostatic hypotension, pathology of the disease (Oppenheimer), LETTER, 297; sympathetic ganglia changes (Rajput and Rozdilsky), LETTER, 498; reply (Black and Petito), LETTER, 498

Osteomalacia

- effect of phenytoin on bone and vitamin D metabolism (Bell et al), 374

Paired helical filaments

- Alzheimer neurofibrillary tangles in diseases other than senile and presenile dementia (Wisniewski et al), 288

Palatal myoclonus and denervation supersensitivity in the central nervous system (Matsuo and Ajax), 72

Palsy
superior branch palsy of oculomotor nerve and pupillary constriction caused by intracranial carotid artery aneurysm (Feder and Camp), NOTES, 493

Parietal lobe
mechanisms underlying hemispatial neglect (Heilman and Valenstein), 166

Parkinson disease, unusual phenomenon in (McCarthy), LETTER, 499

Pentobarbital
delayed pentobarbital administration limits ischemic brain damage in gerbils (Levy and Brierley), 59
no barbiturate protection in a dog model of complete cerebral ischemia (Steen et al), 343

Periodic lateralized epileptiform discharges
PLEDs and nystagmus retractorius (Brenner and Carroll), LETTER, 403

Peripheral neuropathy
abnormal auditory evoked potentials in hereditary motor-sensory neuropathy (Satya-Murti et al), 445
central vestibular involvement in peroneal muscle atrophy (Melgaard and Zilstorff), 118
does a defect of energy metabolism in the nerve fiber underlie axonal degeneration in polyneuropathies? (Spencer et al), HYPOTHESIS, 501
subacute motor neuronopathy, remote effect of lymphoma (Schold et al), 271

Peroneal muscle
central vestibular involvement in peroneal muscle atrophy (Melgaard and Zilstorff), 118
homozygous expression of a dominant gene for Charcot-Marie-Tooth neuropathy (Killian and Kloepfer), 515
hyperexcitability of motor and sensory neurons in neuromyotonia (Lance et al), 523

Pets. See Domestic animals

Phenobarbital
metabolism of dimethoxymethyl phenobarbital (eterobarb) in patients with epilepsy (Goldberg et al), 121
single-dose pharmacokinetics and anticonvulsant efficacy of primidone in mice (Leal et al), 470

Phenylethylmalonamide
single-dose pharmacokinetics and anticonvulsant efficacy of primidone in mice (Leal et al), 470

Phenytoin
effect of phenytoin on bone and vitamin D metabolism (Bell et al), 374
oral phenytoin loading in adults, rapid achievement of therapeutic plasma levels (Record et al), 268

Pheochromocytoma causing exercise-related headache and pulmonary edema (Paulson et al), 96

Physostigmine in Reye syndrome (Pettegrew et al), LETTER, 105

Platelets
thrombocytopenia associated with sodium valproate treatment (Neophytides et al), 389

PLEDs. See Periodic lateralized epileptiform discharges

Polioivirus genetic information, failure to detect in amyotrophic lateral sclerosis (Viola et al), NOTE, 402

Porphyrin precursor δ-aminolevulinic acid, inhibition of evoked release of acetylcholine by (Bornstein et al), 94

Position and vibration sensations, functions of the dorsal spinocerebellar tracts? (Ross et al), 171

Postural control
development of nystagmus in response to vestibular stimulation in infants (Eviatar et al), 508

Postvaccinal encephalomyelitis without cutaneous vaccination reaction (Rockoff et al), 99

Propranolol, beneficial effect in familiar ataxia (Braham et al), 207

Prostaglandin effect on lymphokine production in multiple sclerosis (Willoughby et al), 391

Pseudotumor, pathophysiology of (Fishman), LETTER, 496; reply (Raichle), LETTER, 496

Pyruvate, methodology in evaluating oxidation of (Kark et al), LETTER, 595; reply (Stumpf and Parks), LETTER, 596

Radiation
postirradiation myelopathy in children (Kun), LETTER, 106

Redox states, intracellular, under halothane and barbiturate anesthesia in normal, ischemic, and anoxic monkey brain (Sundt et al), 575

Reflexes
developmental reflexes and cortical atrophy (Moylan and Saldias), LETTER, 499
ontogeny of spontaneous blinking and of habituation of the blink reflex (Zametkin et al), 453

Regeneration
enzyme treatment of spinal cord transected rats (Feringa et al), 203
regeneration of magnocellular system of the rhesus monkey following hypothalamic lesions (Antunes et al), 462

Remote effect
paraneoplastic vasculitis of nerve, remote effect of cancer (Johnson et al), 437
subacute motor neuronopathy, remote effect of lymphoma (Schold et al), 271

Research, neurological
neurological research (Robinson), LETTER, 102
neurological research funding in Canada (Dinsdale), LETTER, 209

Review
Aicardi syndrome (Bertoni et al), 475
Reye syndrome, physostigmine in (Pettegrew et al), LETTER, 105

Saccades
cortical activation pattern during saccadic eye movements in humans, localization by focal cerebral blood flow increases (Melamed and Larsen), 79
hypothetical explanation of saccadic oscillations (Zee and Robinson), HYPOTHESIS, 405

Schwartz-Jampel syndrome, chondrodystrophic myotonia versus (Aberfeld), LETTER, 210

Scleroderma, linear, as cause for hemiatrophy (Rosenberg and Greenberg), NOTE, 307

Seizures. See Epilepsy

Sensory deprivation
musical hallucinations in a deaf elderly patient (Miller and Crosby), 301

Serotonin
decreased serotonergic activity in Tourette syndrome (Crosley), LETTER, 596

Skin
dermatomyositis and toxoplasmosis (Hendrickx et al), 383

linear scleroderma as cause for hemiatrophy (Rosenberg and Greenberg), NOTE, 307

mucocutaneous eruptions due to antiepileptic drug therapy in children (Pollack et al), 262

postvaccinal encephalomyelitis without cutaneous vaccination reaction (Rockoff et al), 99

Sodium

- hypernatremic hemorrhagic encephalopathy (Young and Truax), 588

Spasms

- choroid plexus papilloma and infantile spasms (Branch and Dyken), 302
- hyperexcitability of motor and sensory neurons in neuromyotonia (Lance et al), 523

Spasticity

- impairment of voluntary movement by spasticity (Mizrahi and Angel), 594

Spinal cord

- cervical radiculomyelopathy due to calcified ligamenta flava (Kamakura et al), 193
- enzyme treatment of spinal cord transected rats (Feringa et al), 203

Spongiform encephalopathy. See Creutzfeldt-Jakob disease

Sporadic distal myopathy with early adult onset (Miller et al), 220

Stenosis. See Arterial occlusive disease

Steroids

- corticosteroid therapy and Tourette syndrome (Geschwind), LETTER, 495; reply (Kondo), LETTER, 495

Stroke. See also Cerebral ischemia

- cerebral and retinal vascular complications of inflammatory bowel disease (Schneiderman et al), 331
- chronic subdural hematoma simulating transient ischemic attacks (Williams), LETTER, 597
- decreasing incidence of primary intracerebral hemorrhage, population study (Furlan et al), 367
- selective chromatolysis of neurons in gerbil brain, possible consequence of "epileptic" activity produced by common carotid artery occlusion (Brown et al), 127
- symptomatic middle cerebral artery stenosis (Hinton et al), 152

Subdural hematoma, chronic, simulating transient ischemic attacks (Williams), LETTER, 597

Superior branch palsy of oculomotor nerve and pupillary constriction caused by intracranial carotid artery aneurysm (Feder and Camp), NOTE, 493

Suppressor cell function in multiple sclerosis (Antel et al), 338

Sural nerve, normal human, endoneurial lipid composition of (Brown et al), 239

Sylvian fissure, "arachnoid cysts" of, versus "temporal lobe agenesis" syndrome (Shaw), 483

Tarsal tunnel syndrome, electrophysiological study (Oh et al), 327

Temporal lobe agenesis syndrome

- "arachnoid cysts" of sylvian fissure versus "temporal lobe agenesis" syndrome (Shaw), 483

Thalamus

- thalamic degeneration in X-chromosome-linked copper malabsorption (Iwata et al), 359

Thrombocytopenia associated with sodium valproate treatment (Neophytides et al), 389

Tibial nerve

- tarsal tunnel syndrome, electrophysiological study (Oh et al), 327

Tics

- corticosteroid therapy and Tourette syndrome (Geschwind), LETTER, 495; reply (Kondo), LETTER, 495
- decreased serotonergic activity in Tourette syndrome (Crosley), LETTER, 596
- familial Tourette syndrome (Guggenheim), LETTER, 104
- trial of chlorimipramine and desipramine for Gilles de la Tourette syndrome (Caine et al), NOTE, 305

Tourette syndrome

- corticosteroid therapy and Tourette syndrome (Geschwind), LETTER, 495; reply (Kondo), LETTER, 495
- decreased serotonergic activity in Tourette syndrome (Crosley), LETTER, 596
- familial Tourette syndrome (Guggenheim), LETTER, 104
- trial of chlorimipramine and desipramine for Gilles de la Tourette syndrome (Caine et al), NOTE, 305

Toxicity

- chronic lead intoxication, effects on developing optic nerve (Tennekoon et al), 558

Toxicology

- does a defect of energy metabolism in the nerve fiber underlie axonal degeneration in polyneuropathies? (Spencer et al), HYPOTHESIS, 501

Toxoplasmosis and dermatomyositis (Hendrickx et al), 393

Transfer factor is ineffective in amyotrophic lateral sclerosis (Olarte et al), 385

Transient ischemic attacks

- chronic subdural hematoma simulating transient ischemic attacks (Williams), LETTER, 597

controversy in neurology—Canadian study on TIA and aspirin: a critique of the Canadian TIA study (Kurtzke), LETTER, 597; reply (Barnet et al), LETTER, 599; controversy in interpretation of clinical trials (Armitage), LETTER, 601

Transmissible diseases

- Creutzfeldt-Jakob disease in France, retrospective study of Paris area during the ten-year period 1968–1977 (Brown and Cathala), 189
- Creutzfeldt-Jakob disease, patterns of worldwide occurrence and significance of familial and sporadic clustering (Masters et al), 177
- transmission of chronic spongiform encephalopathy with kuru plaques from humans to small rodents (Tateishi et al), 581

Trichopoliodystrophy, clinical and biochemical aspects of (Grover et al), 65

Vaccination

- postvaccinal encephalomyelitis without cutaneous vaccination reaction (Rockoff et al), 99

Valproate treatment, thrombocytopenia associated with (Neophytides et al), 389

Vasculitis

- paraneoplastic vasculitis of nerve, remote effect of cancer (Johnson et al), 437
- self-limited granulomatous angiitis of cerebellum (Beresford et al), 490

Vestibular function
development of nystagmus in response to vestibular stimulation in infants (Eviatar et al), 508

position and vibration sensations, functions of the dorsal spinocerebellar tracts? (Ross et al), 171

Vestibular system
central vestibular involvement in peroneal muscle atrophy (Melgaard and Zilstorff), 118

Vibration and position sensations, functions of the dorsal spinocerebellar tracts? (Ross et al), 171

Viral diseases. *See* Infectious diseases

Visual disturbances
cerebral color blindness, acquired defect in hue discrimination (Pearlman et al), 253

mechanisms underlying hemispatial neglect (Heilman and Valenstein), 166

Vitamins
effect of phenytoin on bone and vitamin D metabolism (Bell et al), 374

Voluntary movement
impairment of voluntary movement by spasticity (Mizrahi and Angel), NOTE, 594

voluntary motor commands in human ballistic movements (Desmedt and Godaux), 415

Wallerian degeneration, endoneurial fluid pressure in (Powell et al), 550

Wilson disease, computed tomography in (Ropper et al), NOTE, 102

